TOWN OF WESTFIELD, INDIANA

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JUN 0 4 2010

WESTFIELD COMMUNITY DEVELOPMENT DEPARTMENT

Petition Number: 1007-VU-03
Date of Filing: 6/4/10

Application for VARIANCE OF USE
Westfield – Washington Township
Board of Zoning Appeals (BZA)

This application must be completed and filed with the Community Services Department of the Town of Westfield, Indiana in accordance with the meeting schedule.

1. Appellant's Name: Harold Hill + Coby Conrad "NorthSide Guns"
   Address: 586 Becker ct Zionsville IN 46077
   Telephone Number: (317) 691-4243

2. Landowner's Name: Robert E. Hart
   Address: 8020 N Meridian st Indpls IN 46260
   Telephone Number: (317) 253-1081

3. *Representative
   *Address
   *Telephone Number
   *Email Address

*If the applicant is not presenting a petition, please provide contact information for the party representing the applicant.

4. Common description of property (address, location, etc.)
   800 E Main st Westfield IN 46074
   Business front

5. Legal description of property (list below or attach)

6. Complete description of the nature of the variance of use applied for:
   NorthSide Guns would like to request a variance for the above property/building We would like to put a indoor shooting range in our store. Specifically a Savage Range System." Controled Invironment" at this Time Zoning does not allow one.

7. **ALL SITE PLANS SHALL BE LEGIBLE AND DRAWN TO SCALE.** Site plans must accompany this application and must depict at a minimum:

   a. Lot(s) shape and dimensions;
   b. Location and dimensions of existing and proposed structures;
   c. Location and dimensions of existing and proposed points of ingress and egress; and
   d. All topographic and natural features and/or other unusual characteristics associated with the property.

8. The Applicant must address the following criteria and establish at the public hearing that each of the following is true in order to obtain a favorable determination from the BZA.

   No variance of use shall be granted unless the BZA finds all of the following to be true:

   a. That the approval of such variance of use will not be injurious to the public health, safety, morals, and general welfare of the community:

   A Savage Range System is one of the Safest, most "Green" Indoor Shooting Systems on the market.

   b. That the use and value of the area adjacent to the property included in the variance of use will not be affected in a substantially adverse manner:

   NorthSide GunS will be a controled enviorment both inside + out. We have the right to denie any person to the sale of a firearm or range by a judge of Character according to our A.T.F. agent. Susan M. Miston Indpls. IN.

   c. That the need for the variance of use arises from some condition particular to the property involved:

   The Zoning does not allow an Indoor Shooting range.

d. That the strict application of the terms of the zoning ordinance will constitute an unnecessary hardship if applied to the property for which the variance of use is sought:

Business front: The range will give the public/off duty officers a place to practice. The business will be able to provide more for our customers.

e. That such variance does not interfere substantially with the comprehensive plan:

Business front:

The Appellant hereby certifies that the information contained in and accompanying this application is true and correct.

Harold E. Hunt Cathy Hunt

Applicant

SUBSCRIBED AND SWORN TO ME THIS 4th DAY OF June, 2010.

Notary Public

My commission expires: 5/6/17

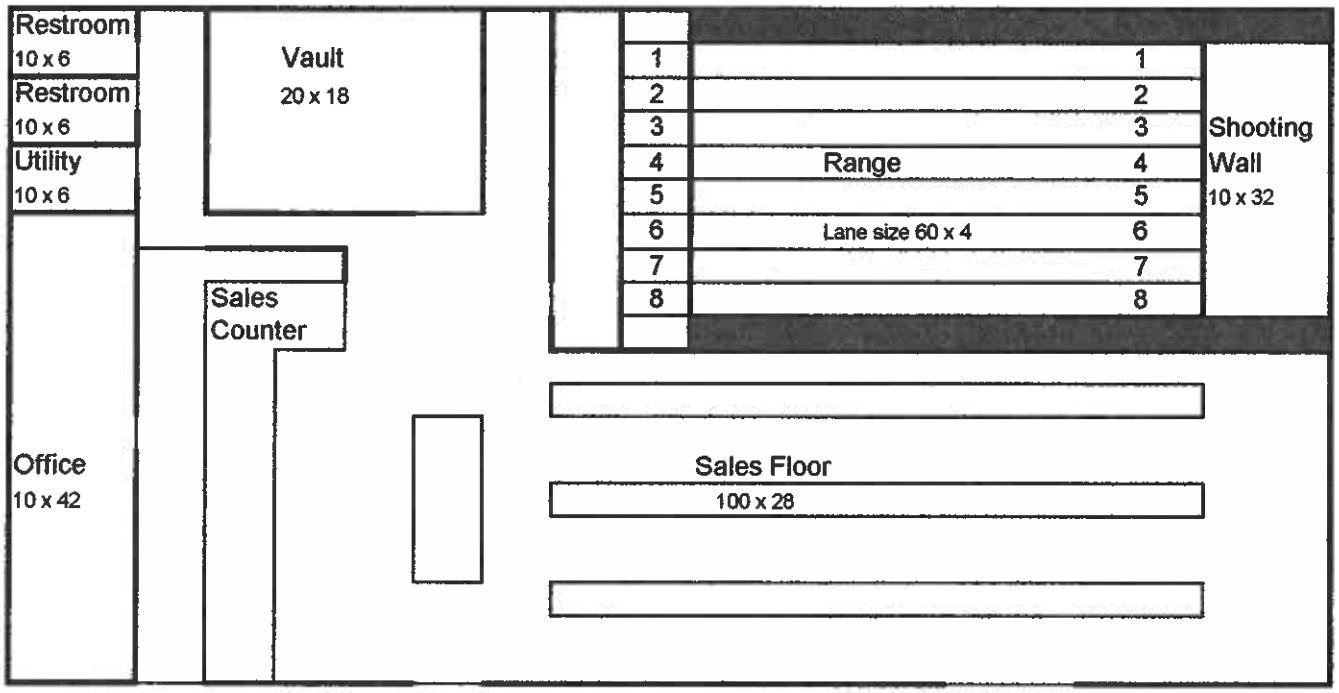

014
015
016
2.75 Acs
016
BL C
WILLOW CREEK

Northside Guns

Proposed building layout
Gun sales and Shooting Range

Northside Guns
800 East Main Street
Westfield, IN. 46074

W
S N
E



The building is 60 feet wide by 120 feet long.
The two restrooms, utility room, and office are existing spaces.
Vault will be constructed with block and steel.
Range will be constructed with block and steel.
See detail for Shooting wall / Bullett trap, and lane specs.
Amount of lanes may vary due to cost and space.
For any questions contact Harold Hill at 691 - 4243.

A part of the southwest quarter of the southeast quarter of Section 31, Township 19 North, Range 4 East, recorded in Deed Book 350, page 369, in the Office of the Recorder of Hamilton County, Indiana, more particularly described as follows:

Beginning at a point on the south line of said quarter-quarter Section, south 89 degrees 20 minutes 12 seconds West, 867.16 feet (record), and 867.11 feet obtained from adjoining deeds recorded in Book 156, page 334, Book 295, page 432, Box 319, page 306 and Book 249, page 244, from the southeast corner thereof (no monument found), the Point of Beginning, said point being also 2982.19 feet (measured) north 89 degrees 20 minutes 12 seconds East from the southwest corner of Section 31, Township 19 North Range 4 East. Thence, continuing south 89 degrees 20 minutes 12 seconds West 191.97 feet; thence, North 00 degrees 12 minutes 30 seconds West 258.18 feet; thence North 89 degrees 44 minutes 37 seconds East 183.51 feet; thence, south 02 degrees 05 minutes 40 seconds East to the Point of Beginning, containing in all 1.1099 acres more or less.

GENERAL DESCRIPTION OF BULLET TRAP

The Snail® Trap is an environmentally safe method of capturing bullets. Our patented Snail virtually eliminates the risk of ricochet and lead dust inhalation / exposure, thus reducing health hazards, environmental damage and the need for costly lead remediation. The Model 800 Snail Trap is designed to withstand ammunition up to 8100 FPE at the muzzle. The Model 200 trap is rated for ammunition up to 1400 FPE at muzzle.

The patented shallow angle plates are designed at 12 degrees for Model 800 (and 15 degrees for Model 200) to the horizontal to complement the ogive angle of the bullet thus creating deflection and a nearly impervious surface. By deflecting the bullet instead of smashing it, we virtually eliminate the generation of lead dust at the bullet catcher. This results in a healthier environment without the need for expensive lead dust collection systems.

The deceleration chamber is circular in design to reduce bullet break up and to allow the bullet to forfeit its energy and drop into a container, ready for recycling.

ADVANTAGES OF THE SNAIL TRAP

- **Patented Round Deceleration Chamber**

  Savage Range Systems' patented round deceleration chamber results in less breakdown of the bullet, therefore, resulting in less airborne lead.

- **Patented Low Angle (< 15 degrees) Ramps**

  The Wet Snail Trap utilizes Savage Range Systems' patented low angle (12 degree for Model 800 and 15 degrees for Model 200) ramps to prevent the ricochet of bullets and the breakdown of ramp material over long periods of time, even with very high usage.

- **Low cost, low maintenance removal of spent bullets**

  The optional conveyor system brings the mostly intact bullets to a single, convenient point for easy of disposal or recycling. If space permits, the conveyor system can be designed to deposit the bullets directly into either a 55-gallon drum or 5-gallon bucket, thus avoiding the necessity to double handle the waste. With this type of system, the Rangemaster, or outside contractor is not required to spend excessive time removing bullets and carrying heavy buckets for replacement. You could contract a recycling firm to remove the lead, usually at no cost to yourself. In some instances, they will even pay you to remove the material. We can custom design a system to meet your specific requirements. See drawings to be provided upon award of contract.

SPECIFICATION FOR SNAIL® WET BULLET TRAP

1. TRAP DESIGN:

The trap will be of steel plate construction for heavy use/ high volume. The design of the wet bullet trap consists of:

a. Shallow angle entrance ramps (12 degrees for Model 800 and 15 degrees for Model 200) sprayed with a proprietary Snail® lubricated liquid.
b. Spray bar
c. Circular deceleration chamber sprayed with Snail lubricant
d. A reservoir system for the liquid
e. Spent bullet collection tray
f. Liquid return lines
g. Optional conveyor system (recommended for larger systems)
h. Impeller pumps
i. In-line filters

2. TRAP RATING SYSTEM:

The **Model 800 trap**, without allowing bullet penetration, is capable of stopping and containing all projectiles up to 8100 FPE at muzzle (no steel core, ceramic hardened tipped bullets or AP/API).

The **Model 200 trap**, without allowing bullet penetration, is capable of stopping and containing all projectiles up to 1400 FPE at muzzle (no steel core, slugs, AP/API or steel core or steel shot).

Custom traps are available for projectiles over 8100 FPE, fully automatic weapons, fixture firing and AP / API ammunition. Please advise FPE at muzzle and specify replaceable scrolls for fixture firing or automatic weapon firing.

3. ENTRANCE RAMPS:

The entrance ramps of the trap are designed to guide the bullet into the trap without impeding its progress into the deceleration chamber. The ramp design does not exceed 15 degrees from the horizontal for Model 200 traps and 12 degrees to the horizontal for Model 800 traps. The ramps extend from the floor to the throat (entrance) of the circular deceleration chamber. The upper ramps are supported from an overhead structure and extend from a nominal height of 96" above finished floor to the throat of the deceleration chamber. The maximum load is 375 lbs. per support with two supports per 8-foot section. A self-supporting system may be provided as an optional extra.

The Snail lubricating fluid flows across the upper portion of the lower ramps and is sprayed in the deceleration chamber. The fluid reduces the friction between the bullet and the trap surfaces, virtually eliminating the generation of lead dust. Any dust that may be generated is captured by the liquid, preventing it from becoming air-borne and a health hazard to the range users.

Material for the deflection ramps is a minimum ¼" AR500 steel.

4. CIRCULAR DECELERATION CHAMBER:

The circular deceleration chamber is designed to allow the bullet to forfeit its kinetic energy in a circular motion. The inside diameter of the chamber is sized to insure the bullet continues to ride on or as close to its ogive curve as possible. By maintaining a constant curve, the bullet will continue in a straight line and sustain contact on the bullet's side and not be allowed to nose into the surface, thus preventing the bullet from bouncing within the chamber.

By design, the bottom of the deceleration chamber has a small opening running across the width of the chamber. This opening allows the spent bullet to drop out the bottom of the chamber and into the Collection System. As the bullet makes its revolutions, it skips across the opening making contact on the opposite side at an angle of 15 degrees (for Model 200) and 12 degrees (for Model 800).

The Deceleration Chamber is manufactured from 3/8" AR500 steel plate.

5. BULLET COLLECTION SYSTEM:

The bullet collection system consists of the fluid reservoir, front trough, spent bullet tray, return lines and pumps. The optional conveyor system is recommended for larger traps. In the event that the conveyor is specified, the spent bullet collection tray is excluded.

The **Fluid Reservoir** is located directly under the bottom opening of the deceleration chamber. The reservoir is rectangular in design and supports the spent bullet tray (or optional conveyor system) and houses the pumps. It extends the width of the trap. The reservoir holds enough liquid to maintain a steady liquid flow while the trap is in operation. Weirs are located on the bottom of the reservoir to protect the pump from shotgun wads and assorted debris.

The **Spent Bullet Tray** is fabricated from perforated steel plate and forms the lid of the reservoir. The perforations are sized to allow the lubricant to flow across the spent bullets and into the reservoir, while preventing the spent bullet material from dropping into the reservoir. The spent bullets are easily cleaned off the tray with the small flat shovel provided.

The **Pumps** are designed for extended or continuous use. An individual pump is provided for each 8' section. The pumps are supplied as 110 (or 240) volt, single- phase, 60Hz. The standard requirement is 110V / 60 Hz, single phase. A power supply point is required for each 8' section.

The **Return Lines**, as part of the reservoir system, complete the liquid cycle. The front trough return lines are provided every 8-feet on center. The return line is connected to the front trough nipple with a flexible coupling. This flexible coupling allows the PVC pipe to be adjusted on the top of the reservoir without providing a series of pipe sections or elbows.

The **Optional Conveyor System** replaces the spent bullet tray. A belt conveyor system can be used on all wet systems. It is designed to be the width of the trap plus an additional length (if required) to exit the building or modified to fit a small space. The discharge height is typically 42" above floor unless otherwise specified. The horizontal projection varies according to size of system.

The customized conveyor system is designed to move the spent bullets from the trap to a 55- gallon drum or other predetermined, conveniently sized container. On larger ranges it may be necessary to provide two conveyor systems to reduce the load on the motors. Availability of space will determine the type of system used. See drawings for recommendations.

6. SHOOTING HEIGHT:

The optimum firing position is 53" above floor level. The Snail Trap is designed for an effective ceiling height of 96" from finished floor level to bottom of baffles.

7. ACCESS TO DECELERATION CHAMBER

The inside of deceleration chamber is readily accessible and can be inspected without removing any internal deceleration medium (bullets/fragments).

8. SCOPE OF WORK FOR INSTALLATION (NOT INCLUDED IN ESTIMATE):

Receive, unload, assemble and install a Savage Range System Wet Snail Trap complete with conveyor system (if specified) upper and lower ramps. Units are provided with primer paint only. Touchup provided by field installers.

a. **Conditions for installation**:
   i. Safe access for delivery trucks and equipment is to be provided by the Client.
   ii. The Client will provide adequate secure storage space adjacent to the trap area for material staging and laydown.
   iii. Temporary power (110V for hand tools), lighting and water will be provided for use during construction.
   iv. The Client shall provide all Health, Welfare and Sanitation facilities.
   v. Small construction debris will be placed in a dumpster provided by the Client on-site and emptied regularly.
   vi. A 100 AMP 3-phase electrical power supply for welding machines (if required) will be provided by the Client.
   vii. This proposal to become part of the contract.

9. ARCHITECTURAL / SPACE REQUIREMENTS:

a. **Floor Area**: The Snail Trap requires an area nominally 28' deep for a Model 800 trap and 25' for a Model 200 trap across the width of the range. The minimum distances from the behind the Snail Trap to the target line for rifle and pistol traps are 18' and 16' respectively. The floor should be level and designed to support the bullet trap system. Detailed weights are available upon request. Modifications must be made to the system for any other floor specification provided. In all cases, it is recommended that a notch 2" deep x 4" wide be provided in the concrete floor to protect the leading edge of the lower ramp thereby creating a safer environment.

b. **Access**: Access behind the Snail Trap is required to facilitate the removal of spent bullets and general maintenance. If arrangements cannot be made for rear accessibility, optional recommendations shall be indicated on drawings to be provided.

c. **Upper ramp support**: The upper ramps require a fastening area or weld point for S-hooks and chain supports. Upper ramp supports have a load rating of 375 lbs. per support. There are two supports per 8 ft section (unless otherwise specified on drawings). Drawings will be provided indicating upper ramp and baffle support points.

   Please specify if a self-supporting system is required. Please provide climate conditions, snow load, winds, which may affect the design. While the self-supporting upper ramp can function as its own roof, an optional roof system is available if required.

d. **Installation access**: Forklift or cherry picker access to the bullet trap area is required for installation. It is recommended that an opening large enough to accommodate a standard forklift be provided. In cases where a door is not large enough for entrance, we suggest that a wall remain open prior to installation and is closed in after installation. Please advise if access is not available. Insufficient access will impact the installation process.

e. **Water**: Fresh clean water must be supplied in the vicinity of the rear of the trap to allow the filling of the system. An automatic fill float (with safety shut-off) is available at an additional cost upon request.

10. **CLIENT / GENERAL CONTRACTOR RESPONSIBILITIES:**

a. The basic trap requires a modification to the concrete pad in accordance with the drawings provided by Savage Range Systems. Please refer to the drawings regarding a notch at the leading edge of the front ramp. We recommend this notch for safety reasons.

b. The general contractor is responsible for all electrical work.

   Each pump (one per 8' section) requires a 110 volt 60 Hz 10 Amps on a GFI circuit, switched from the control room and behind the range. Savage Range Systems supplies the pumps with electrical cord ONLY. The control box for the multiple pumps is **NOT** provided by Savage Range Systems.

   The standard conveyor system requires one 220/460 3 phase or optional 220 volts single phase supply at one side of the range. It is at the discretion of the Client / Designer whether or not all the range sections will be running simultaneously. The pumps and the conveyer **must** run at the same time. The Conveyor typically extends the full width of the trap, unless specified or indicated on our drawings.

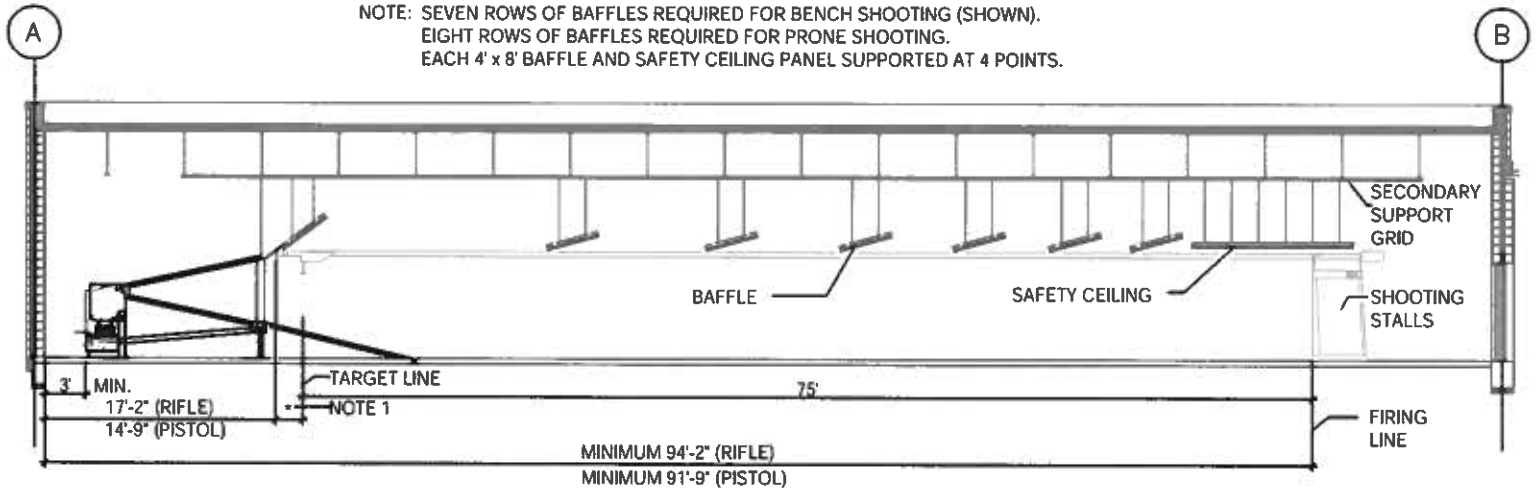
c. All saw cutting or concrete work of any kind.

d. HVAC, mechanical and/or ventilation system.

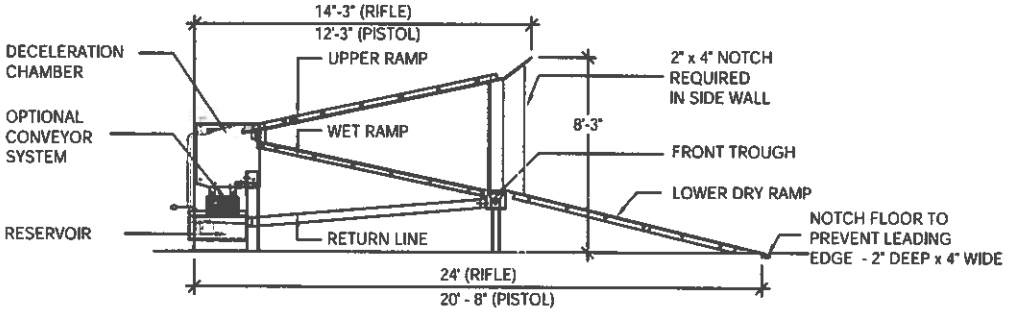
e. Control panel and intercom system (if applicable).

f. Paint – All systems are provided shop prime coated. If desired, finished painting of upper and lower ramps after installation can be carried out by either Savage Range Systems (if specified) or the Client's General Contractor.

NOTE: SEVEN ROWS OF BAFFLES REQUIRED FOR BENCH SHOOTING (SHOWN).
EIGHT ROWS OF BAFFLES REQUIRED FOR PRONE SHOOTING.
EACH 4' x 8' BAFFLE AND SAFETY CEILING PANEL SUPPORTED AT 4 POINTS.



SECTION THRU' GENERIC INDOOR 75 FT RANGE



WET TRAP DETAIL

NOTES:
1. VARIES FROM 12" TO 24". DEPENDANT ON REQUIREMENTS OF TARGETRY MANUFACTURER.
2. MAINTENANCE ACCESS REQUIRED BELOW WET RAMP AND BEHIND SNAIL TRAP.
3. CLEAN WATER SUPPLY REQUIRED FOR FILLING AND MAINTAINING SNAIL SYSTEMS.
4. ONE 110 / 230V GFI OUTLET REQUIRED PER 8 FT SECTION, CONTROLLED FROM CONTROL ROOM AND BEHIND TRAP.
5. OPTIONAL CONVEYOR SYSTEM REQUIRES 230 / 460V 3-PHASE STANDARD DISCONNECT SWITCH, CONTROLLED FROM CONTROL ROOM.
6. UPPER RAMP REQUIRES TWO SUPPORTS PER 8 FT SECTION. EACH SUPPORT CARRIES 250 LB LOAD.

SAFETY CEILING / BAFFLE WEIGHT		
	POUNDS PER 4' x 8' PANEL	
	RIFLE	PISTOL
BAFFLE	544	354
SAFETY CEILING	707	544

REVISIONS

REV	DESCRIPTION	DATE
0	PRELIMINARY (Not Approved)	09/00/00

Savage Range Systems Inc.
100 Springdale Road Westfield, MA 01085
(413) 568-7001
www.snailtraps.com

Snail Systems
BULLET TRAPS AND RANGES

P.O. NO.	1900-000
CLIENT:	
PROJECT:	STANDARD DETAILS
TITLE:	GENERIC INDOOR 75 FT RANGE
DWN BY: CJN	DATE: 01/1/05
CHK BY: CAL	DATE: 01/1/05
DWG NO.	REV.
1900 000 01	0
SCALE:	NTS SHT 1 of 1